SUBJECT INDEX

Absorption

Surface-Treated Slag Concrete: Assessing Performance Under Cyclic Wetting, W. J. McCarter, MT Aug. 98, p198-201.

Aggregate gradation

Influence of Aggregate Type and Gradation on Voids of Asphalt Concrete Pavements, Waddah S. Abdullah, Mohammed Taleb Obaidat and Nazem Abu-Sa'da, MT May 98, p76-85.

Aggregates

Asphalt Concrete Damage Associated with Extreme Low Temperatures, H. M. El Hussein, K. W. Kim and J. Ponniah, MT Nov. 98, p269-274.

Influence of Aggregate Type and Gradation on Voids of Asphalt Concrete Pavements, Waddah S. Abdullah, Mohammed Taleb Obaidat and Nazem Abu-Sa'da, MT May 98, p76-85.

Morphological Study of Coarse Aggregates Using Image Analysis, Chun-Yi Kuo, Raymond S. Rollings and Larry N. Lynch, MT Aug. 98, p135-142.

Self-Cured High Performance Concrete, Hans W. Reinhardt and Silvia Weber, MT Nov. 98, p208-209.

Use of Environmental SEM to Study Asphalt-Water Interactions, Theresa M. Williams and Francis P. Miknis, MT May 98, p121-124.

Aging

Evaluation of Arabian Asphalt Bender for Low-Temperature Cracking, Rezqallah H. Ramadhan,, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Ibrahim A. Al-Dubabe, MT Feb. 98, p26-33.

Alkalinity

Potential Challenges for Using Waste Glass in Portland Cement Concrete, Craig Polley, Steven M. Cramer and Rodolfo V. de la Cruz, MT Nov. 98, p210-219.

Quantity of Alkali Silica Gel and Its Effect on Concrete Properties, Jason F. Mitchell and Michael L. Leming, MT May 98, p106-111.

Alloys

Large Span Structural System Using New Materials, Toshiaki Fujimori and Kenichi Sugizakai, MT Nov. 98, p203-207.

Aluminum

Large Span Structural System Using New Materials, Toshiaki Fujimori and Kenichi Sugizakai, MT Nov. 98, p203-207.

Artificial islands

Effects of Construction Joint in Mass Flowable Concrete, Donald D. Liou, MT Feb. 98, p34-39.

ASCE Publications

Editorial, Victor C. Li and J. J. Beaudoin, MT Aug. 98, p127.

Asphalt mix design

Evaluation of Coke Dust-Modified Asphalt Using Superpave, Ramzi Taha, Galal Ali and Murshed Delwar, MT Aug. 98, p174-179.

Mechanistic Evaluation of Hedmanite and Lime Modified Asphalt Concrete Mixtures, M. Ghouse Baig and H. I. Al-Abdul Wahhab, MT Aug. 98, p153-160.

Asphaltic concrete

Asphalt Concrete Damage Associated with Extreme Low Temperatures, H. M. El Hussein, K. W. Kim and J. Ponniah, MT Nov. 98, p269-274.

Influence of Aggregate Type and Gradation on Voids of Asphalt Concrete Pavements, Waddah S. Abdullah, Mohammed Taleb Obaidat and Nazem Abu-Sa'da, MT May 98, p76-85.

Mechanistic Evaluation of Hedmanite and Lime Modified Asphalt Concrete Mixtures, M. Ghouse Baig and H. I. Al-Abdul Wahhab, MT Aug. 98, p153-160.

Morphological Study of Coarse Aggregates Using Image Analysis, Chun-Yi Kuo, Raymond S. Rollings and Larry N. Lynch, MT Aug. 98, p135-142.

Asphalts

Analyses of Tensile Failure Properties of Asphalt-Mineral Filler Mastics, Jian-Shiuh Chen and Chun-Hsiang Peng, MT Nov. 98, p256-262.

Compatibility and Rheological Study of ASR Asphalt Binder, Utpal Dutta, MT Feb. 98, p40-44.

Evaluation of Arabian Asphalt Bender for Low-Temperature Cracking, Rezqallah H. Ramadhan,, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Ibrahim A. Al-Dubabe, MT Feb. 98, p26-33.

Polymer Modification of Arab Asphalt, Ibrahim A. Al-Dubabe, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Mohammad F. Ali, MT Aug. 98, p161-167.

Use of Environmental SEM to Study Asphalt-Water Interactions, Theresa M. Williams and Francis P. Miknis, MT May 98, p121-124.

Automobiles

Compatibility and Rheological Study of ASR Asphalt Binder, Utpal Dutta, MT Feb. 98, p40-44.

Awards

Editorial, Victor C. Li and J. J. Beaudoin, MT Aug. 98, p127.

Beams

Strengthening of Beams by Plate Bonding, Björn Täljsten, MT Nov. 97, p206-212.

Binders, materials

Asphalt Concrete Damage Associated with Extreme Low Temperatures, H. M. El Hussein, K. W. Kim and J. Ponniah, MT Nov. 98, p269-274.

Evaluation of Coke Dust-Modified Asphalt Using Superpave, Ramzi Taha, Galal Ali and Murshed Delwar, MT Aug. 98, p174-179.

Bonding

Interface Property and Apparent Strength of High-Strength Hydrophilic Fiber in Cement Matrix, Tetsushi Kanda and Victor C. Li, MT Feb. 98, p5-13.

Strengthening of Beams by Plate Bonding, Björn Täljsten, MT Nov. 97, p206-212.

Bottom ash

Municipal Solid Waste bottom Ash as Portland Cement Concrete Ingredient, Eric R. Berg and John A. Neal, MT Aug. 98, p168-173.

Bridge construction

Comparison of Perception Versus Reality in Timber Bridge Performance, Robert L. Smith and Kim Stanfill-McMillan, MT Nov. 98, p238-243.

Brines

Impact of Confining Pressure on Long-Term Performance of Chemical Grout in Salt Water, M. D. Haug, A. A. Al-Manaseer and A. M. Coode, MT May 98, p70-75.

Cathodic protection

Chloride Transport in Concrete Subjected to Electric Field, Nick R. Buenfeld, Gareth K. Glass, Alaa M. Hassanein and Jian-Zhong Zhang, MT Nov. 98, p220-228.

Cements

Interface Property and Apparent Strength of High-Strength Hydrophilic Fiber in Cement Matrix, Tetsushi Kanda and Victor C. Li, MT Feb. 98, p5-13.

Chemical grouting

Impact of Confining Pressure on Long-Term Performance of Chemical Grout in Salt Water, M. D. Haug, A. A. Al-Manaseer and A. M. Coode, MT May 98, p70-75.

Chemical reactions

Potential Challenges for Using Waste Glass in Portland Cement Concrete, Craig Polley, Steven M. Cramer and Rodolfo V. de la Cruz, MT Nov. 98, p210-219.

Quantity of Alkali Silica Gel and Its Effect on Concrete Properties, Jason F. Mitchell and Michael L. Leming, MT May 98, p106-111.

Chlorides

Chloride Transport in Concrete Subjected to Electric Field, Nick R. Buenfeld, Gareth K. Glass, Alaa M. Hassanein and Jian-Zhong Zhang, MT Nov. 98, p220-228.

Influence of Service Cracking on Reinforcement Steel Corrosion, Raoul François and Ginette Arliguie, MT Feb. 98, p14-20.

Coating

Surface-Treated Slag Concrete: Assessing Performance Under Cyclic Wetting, W. J. McCarter, MT Aug. 98, p198-201.

Coking

Evaluation of Coke Dust-Modified Asphalt Using Superpave, Ramzi Taha, Galal Ali and Murshed Delwar, MT Aug. 98, p174-179.

Columns

Durability Characteristics of Concrete Columns Wrapped with Fiber Tow Sheets, H. Toutanji and P. Balaguru, MT Feb. 98, p52-57.

Compaction

Editorial. Will Self-Compacting High-Performance Concrete Be Used More Widely in Japan? Yasushi Nakahara, MT May 98, p65.

Composite masonry

Innovations Forum: Application of Extrusion for Manufacture of Short Fiber Reinforced Cementitous Composites, Zongjin Li and Bin Mu, MT Feb. 98, p2-4.

Composite materials

Durability Characteristics of Concrete Columns Wrapped with Fiber Tow Sheets, H. Toutanji and P. Balaguru, MT Feb. 98, p52-57.

Effect of Transition Aone on Elastic Stresses in Concrete Materials, G. Ramesh, E. D. Sotelino and W. F. Chen, MT Nov. 98, p275-282.

Forum. Engineered Cementitious Composites for Structural Applications, Victor C. Li and Tetsushi Kanda, MT May 98, p66-69.

Interface Property and Apparent Strength of High-Strength Hydrophilic Fiber in Cement Matrix, Tetsushi Kanda and Victor C. Li, MT Feb. 98, p5-13.

Compression

A New Method for Studying Stress-Induced Microcracks in Concrete, Kamran M. Nemati, Paulo J. M. Monteiro and Neville G. W. Cook, MT Aug. 98, p128-134.

Compressive strength

Effect of GGBFS Particle-Size Distribution on Mortar Compressive Strength, Folarin T. Olorunsogo and Peter J. Wainwright, MT Aug. 98, p180-187.

Effects of Construction Joint in Mass Flowable Concrete, Donald D. Liou, MT Feb. 98, p34-39.

Process of In-Place Evaluation of Concrete Strength, Luh Maan Chang, Nicholas J. Carino and Cheng-Bin Wang, MT Nov. 98, p229-237.

Review of Mechanical Properties of HSC at Elevated Temperature, Long T. Phan and Nicholas J. Carino, MT Feb. 98, p58-64.

Concrete

Chloride Transport in Concrete Subjected to Electric Field, Nick R. Buenfeld, Gareth K. Glass, Alaa M. Hassanein and Jian-Zhong Zhang, MT Nov. 98, p220-228.

Durability Characteristics of Concrete Columns Wrapped with Fiber Tow Sheets, H. Toutanji and P. Balaguru, MT Feb. 98, p52-57.

Editorial. Will Self-Compacting High-Performance Concrete Be Used More Widely in Japan? Yasushi Nakahara, MT May 98, p65.

Effect of Transition Aone on Elastic Stresses in Concrete Materials, G. Ramesh, E. D. Sotelino and W. F. Chen, MT Nov. 98, p275-282.

Effects of Construction Joint in Mass Flowable Concrete, Donald D. Liou, MT Feb. 98, p34-39.

Forum. Engineered Cementitious Composites for Structural Applications, Victor C. Li and Tetsushi Kanda, MT May 98, p66-69.

Material Properties of Self-Flowing Concrete, Jin Keun Kim, Sang Hun Han, Yon Dong Park and Jae Ho Noh, MT Nov. 98, p244-249.

Modeling Concrete Strength with Augment-Neuron Networks, I-Cheng Yeh, MT Nov. 98, p263-268.

A New Method for Studying Stress-Induced Microcracks in Concrete, Kamran M. Nemati, Paulo J. M. Monteiro and Neville G. W. Cook, MT Aug. 98, p128-134.

Permeability and Sorption Properties of Mature Near-Surface Concrete, B. J. Lampacher and G. E. Blight, MT Feb. 98, p21-25.

Process of In-Place Evaluation of Concrete Strength, Luh Maan Chang, Nicholas J. Carino and Cheng-Bin Wang, MT Nov. 98, p229-237.

Quantity of Alkali Silica Gel and Its Effect on Concrete Properties, Jason F. Mitchell and Michael L. Leming, MT May 98, p106-111.

Review of Mechanical Properties of HSC at Elevated Temperature, Long T. Phan and Nicholas J. Carino, MT Feb. 98, p58-64.

Surface-Treated Slag Concrete: Assessing Performance Under Cyclic Wetting, W. J. McCarter, MT Aug. 98, p198-201.

Concrete aggregates

Municipal Solid Waste bottom Ash as Portland Cement Concrete Ingredient, Eric R. Berg and John A. Neal, MT Aug. 98, p168-173.

Potential Challenges for Using Waste Glass in Portland Cement Concrete, Craig Polley, Steven M. Cramer and Rodolfo V. de la Cruz, MT Nov. 98, p210-219.

Concrete blocks

Prediction of Freezing and Thawing Durability of Concrete Paving Blocks, Nader Ghaffori and Richard Mathis, MT Feb. 98, p45-51.

Concrete construction

Process of In-Place Evaluation of Concrete Strength, Luh Maan Chang, Nicholas J. Carino and Cheng-Bin Wang, MT Nov. 98, p229-237.

Concrete deterioration

Permeability and Sorption Properties of Mature Near-Surface Concrete, B. J. Lampacher and G. E. Blight, MT Feb. 98, p21-25.

Concrete durability

Editorial. Will Self-Compacting High-Performance Concrete Be Used More Widely in Japan? Yasushi Nakahara, MT May 98, p65.

Concrete, reinforced

Flexural Behavior of Steel Fiber Reinforced Concrete, Tat-Seng Lok and Jin-Song Pei, MT May 98, p86-97.

Influence of Service Cracking on Reinforcement Steel Corrosion, Raoul François and Ginette Arliguie, MT Feb. 98, p14-20.

Innovations Forum: Application of Extrusion for Manufacture of Short Fiber Reinforced Cementitous Composites, Zongjin Li and Bin Mu, MT Feb. 98, p2-4.

Strengthening of Beams by Plate Bonding, Björn Täljsten, MT Nov. 97, p206-212.

Confinement

Impact of Confining Pressure on Long-Term Performance of Chemical Grout in Salt Water, M. D. Haug, A. A. Al-Manaseer and A. M. Coode, MT May 98, p70-75.

A New Method for Studying Stress-Induced Microcracks in Concrete, Kamran M. Nemati, Paulo J. M. Monteiro and Neville G. W. Cook, MT Aug. 98, p128-134.

Constitutive models

Flexural Behavior of Steel Fiber Reinforced Concrete, Tat-Seng Lok and Jin-Song Pei, MT May 98, p86-97.

Construction materials

Comparison of Perception Versus Reality in Timber Bridge Performance, Robert L. Smith and Kim Stanfill-McMillan, MT Nov. 98, p238-243.

Compatibility and Rheological Study of ASR Asphalt Binder, Utpal Dutta, MT Feb. 98, p40-44.

Contraction

Asphalt Concrete Damage Associated with Extreme Low Temperatures, H. M. El Hussein, K. W. Kim and J. Ponniah, MT Nov. 98, p269-274.

Corrosion

Chloride Transport in Concrete Subjected to Electric Field, Nick R. Buenfeld, Gareth K. Glass, Alaa M. Hassanein and Jian-Zhong Zhang, MT Nov. 98, p220-228.

Influence of Service Cracking on Reinforcement Steel Corrosion, Raoul François and Ginette Arliguie, MT Feb. 98, p14-20.

Cracking

Influence of Service Cracking on Reinforcement Steel Corrosion, Raoul François and Ginette Arliguie, MT Feb. 98, p14-20.

A New Method for Studying Stress-Induced Microcracks in Concrete, Kamran M. Nemati, Paulo J. M. Monteiro and Neville G. W. Cook, MT Aug. 98, p128-134.

Cracks

Asphalt Concrete Damage Associated with Extreme Low Temperatures, H. M. El Hussein, K. W. Kim and J. Ponniah, MT Nov. 98, p269-274.

Sealant Degradation During Crack Sealing of Pavements, J.-F. Masson, C. Lauzier, P. Collins and M. A. Lacasse, MT Nov. 98, p250-255.

Creep

General Creep-Time Equation, K. W. Poh, MT May 98, p118-120.

Curing

Self-Cured High Performance Concrete, Hans W. Reinhardt and Silvia Weber, MT Nov. 98, p208-209.

Damage

Asphalt Concrete Damage Associated with Extreme Low Temperatures, H. M. El Hussein, K. W. Kim and J. Ponniah, MT Nov. 98, p269-274.

Damping

Mechanical Properties of Low-Yield Point Steels, Eiichiro Saeki, Mitsuru Sugisawa, Tanemi Yamaguchi and Akira Wada, MT Aug. 98, p143-152.

Degradation

Sealant Degradation During Crack Sealing of Pavements, J.-F. Masson, C. Lauzier, P. Collins and M. A. Lacasse, MT Nov. 98, p250-255.

Diffusion

Chloride Transport in Concrete Subjected to Electric Field, Nick R. Buenfeld, Gareth K. Glass, Alaa M. Hassanein and Jian-Zhong Zhang, MT Nov. 98, p220-228.

Douglas fir

Interaction Term of Tsai-Wu Theory for Laminated Veneer, Peggi Clouston, Frank Lam and J. David Barrett, MT May 98, p112-116.

Durability

Surface-Treated Slag Concrete: Assessing Performance Under Cyclic Wetting, W. J. McCarter, MT Aug. 98, p198-201.

Dust

Evaluation of Coke Dust-Modified Asphalt Using Superpave, Ramzi Taha, Galal Ali and Murshed Delwar, MT Aug. 98, p174-179.

Dynamic analysis

Compatibility and Rheological Study of ASR Asphalt Binder, Utpal Dutta, MT Feb. 98, p40-44.

Electrokinetics

Chloride Transport in Concrete Subjected to Electric Field, Nick R. Buenfeld, Gareth K. Glass, Alaa M. Hassanein and Jian-Zhong Zhang, MT Nov. 98, p220-228.

Encasements

Durability Characteristics of Concrete Columns Wrapped with Fiber Tow Sheets, H. Toutanji and P. Balaguru, MT Feb. 98, p52-57.

Energy storage

Energy-Storing Wallboard: Flammability Tests, Dorina Banu, Dorel Feldman, Fairborz Haghighat, Jean Paris and Douglas. Hawes, MT May 98, p98-105.

Engineering

Editorial, Victor C. Li and J. J. Beaudoin, MT Aug. 98, p127.

Epoxy adhesives

Strengthening of Beams by Plate Bonding, Björn Täljsten, MT Nov. 97, p206-212.

Experimentation

A New Method for Studying Stress-Induced Microcracks in Concrete, Kamran M. Nemati, Paulo J. M. Monteiro and Neville G. W. Cook, MT Aug. 98, p128-134.

Failures

Analyses of Tensile Failure Properties of Asphalt-Mineral Filler Mastics, Jian-Shiuh Chen and Chun-Hsiang Peng, MT Nov. 98, p256-262.

Fatigue tests

Mechanical Properties of Low-Yield Point Steels, Eiichiro Saeki, Mitsuru Sugisawa, Tanemi Yamaguchi and Akira Wada, MT Aug. 98, p143-152.

Fiber reinforced materials

Forum. Engineered Cementitious Composites for Structural Applications, Victor C. Li and Tetsushi Kanda, MT May 98, p66-69.

Innovations Forum: Application of Extrusion for Manufacture of Short Fiber Reinforced Cementitous Composites, Zongjin Li and Bin Mu, MT Feb. 98, p2-4.

Fiber reinforced plastics

Durability Characteristics of Concrete Columns Wrapped with Fiber Tow Sheets, H. Toutanji and P. Balaguru, MT Feb. 98, p52-57.

Fibers

Interface Property and Apparent Strength of High-Strength Hydrophilic Fiber in Cement Matrix, Tetsushi Kanda and Victor C. Li, MT Feb. 98, p5-13.

Mechanistic Evaluation of Hedmanite and Lime Modified Asphalt Concrete Mixtures, M. Ghouse Baig and H. I. Al-Abdul Wahhab, MT Aug. 98, p153-160.

Fills

Analyses of Tensile Failure Properties of Asphalt-Mineral Filler Mastics, Jian-Shiuh Chen and Chun-Hsiang Peng, MT Nov. 98, p256-262.

Fire resistant materials

Energy-Storing Wallboard: Flammability Tests, Dorina Banu, Dorel Feldman, Fairborz Haghighat, Jean Paris and Douglas. Hawes, MT May 98, p98-105.

Fire tests

Review of Mechanical Properties of HSC at Elevated Temperature, Long T. Phan and Nicholas J. Carino, MT Feb. 98, p58-64.

Flexure

Flexural Behavior of Steel Fiber Reinforced Concrete, Tat-Seng Lok and Jin-Song Pei, MT May 98, p86-97.

Flow characteristics

Effects of Construction Joint in Mass Flowable Concrete, Donald D. Liou, MT Feb. 98, p34-39.

Material Properties of Self-Flowing Concrete, Jin Keun Kim, Sang Hun Han, Yon Dong Park and Jae Ho Noh, MT Nov. 98, p244-249.

Fly ash

Municipal Solid Waste bottom Ash as Portland Cement Concrete Ingredient, Eric R. Berg and John A. Neal, MT Aug. 98, p168-173.

Freeze-thaw durability

Prediction of Freezing and Thawing Durability of Concrete Paving Blocks, Nader Ghaffori and Richard Mathis, MT Feb. 98, p45-51.

Glass

Potential Challenges for Using Waste Glass in Portland Cement Concrete, Craig Polley, Steven M. Cramer and Rodolfo V. de la Cruz, MT Nov. 98, p210-219.

Gypsum

Energy-Storing Wallboard: Flammability Tests, Dorina Banu, Dorel Feldman, Fairborz Haghighat, Jean Paris and Douglas. Hawes, MT May 98, p98-105.

Heat storage

Energy-Storing Wallboard: Flammability Tests, Dorina Banu, Dorel Feldman, Fairborz Haghighat, Jean Paris and Douglas. Hawes, MT May 98, p98-105.

High strength concretes

Material Properties of Self-Flowing Concrete, Jin Keun Kim, Sang Hun Han, Yon Dong Park and Jae Ho Noh, MT Nov. 98, p244-249.

Review of Mechanical Properties of HSC at Elevated Temperature, Long T. Phan and Nicholas J. Carino, MT Feb. 98, p58-64.

Self-Cured High Performance Concrete, Hans W. Reinhardt and Silvia Weber, MT Nov. 98, p208-209.

Human factors

Comparison of Perception Versus Reality in Timber Bridge Performance, Robert L. Smith and Kim Stanfill-McMillan, MT Nov. 98, p238-243.

Hydration

Self-Cured High Performance Concrete, Hans W. Reinhardt and Silvia Weber, MT Nov. 98, p208-209.

Image analysis

Morphological Study of Coarse Aggregates Using Image Analysis, Chun-Yi Kuo, Raymond S. Rollings and Larry N. Lynch, MT Aug. 98, p135-142.

Quantity of Alkali Silica Gel and Its Effect on Concrete Properties, Jason F. Mitchell and Michael L. Leming, MT May 98, p106-111.

In situ tests

Process of In-Place Evaluation of Concrete Strength, Luh Maan Chang, Nicholas J. Carino and Cheng-Bin Wang, MT Nov. 98, p229-237.

Interactions

Interaction Term of Tsai-Wu Theory for Laminated Veneer, Peggi Clouston, Frank Lam and J. David Barrett, MT May 98, p112-116.

Interfaces
Interface Property and Apparent Strength of High-Strength Hydrophilic Fiber in Cement Matrix, Tetsushi Kanda and Victor C. Li, MT Feb. 98, p5-13.

Japan
Editorial. Will Self-Compacting High-Performance Concrete Be Used More Widely in Japan? Yasushi Nakahara, MT May 98, p65.

Joints
Effects of Construction Joint in Mass Flowable Concrete, Donald D. Liou, MT Feb. 98, p34-39.

Large Span Structural System Using New Materials, Toshiaki Fujimori and Kenichi Sugizakai, MT Nov. 98, p203-207.

Laboratory tests
Impact of Confining Pressure on Long-Term Performance of Chemical Grout in Salt Water, M. D. Haug, A. A. Al-Manaseer and A. M. Coode, MT May 98, p70-75.

Prediction of Freezing and Thawing Durability of Concrete Paving Blocks, Nader Ghaffori and Richard Mathis, MT Feb. 98, p45-51.

Laminated wood
Interaction Term of Tsai-Wu Theory for Laminated Veneer, Peggi Clouston, Frank Lam and J. David Barrett, MT May 98, p112-116.

Life cycle cost
Editorial. Will Self-Compacting High-Performance Concrete Be Used More Widely in Japan? Yasushi Nakahara, MT May 98, p65.

Lime
Mechanistic Evaluation of Hedmanite and Lime Modified Asphalt Concrete Mixtures, M. Ghouse Baig and H. I. Al-Abdul Wahhab, MT Aug. 98, p153-160.

Localization
Asphalt Concrete Damage Associated with Extreme Low Temperatures, H. M. El Hussein, K. W. Kim and J. Ponniah, MT Nov. 98, p269-274.

Materials
Large Span Structural System Using New Materials, Toshiaki Fujimori and Kenichi Sugizakai, MT Nov. 98, p203-207.

Materials engineering
Editorial, Victor C. Li and J. Beaudoin, MT Feb. 98, p1.

Materials, properties
Editorial, Victor C. Li and J. Beaudoin, MT Feb. 98, p1.

Material Properties of Self-Flowing Concrete, Jin Keun Kim, Sang Hun Han, Yon Dong Park and Jae Ho Noh, MT Nov. 98, p244-249.

Materials testing
Energy-Storing Wallboard: Flammability Tests, Dorina Banu, Dorel Feldman, Fairborz Haghighat, Jean Paris and Douglas. Hawes, MT May 98, p98-105.

A New Method for Studying Stress-Induced Microcracks in Concrete, Kamran M. Nemati, Paulo J. M. Monteiro and Neville G. W. Cook, MT Aug. 98, p128-134.

Permeability and Sorption Properties of Mature Near-Surface Concrete, B. J. Lampacher and G. E. Blight, MT Feb. 98, p21-25.

Materials tests
Durability Characteristics of Concrete Columns Wrapped with Fiber Tow Sheets, H. Toutanji and P. Balaguru, MT Feb. 98, p52-57.

Mechanical properties
Material Properties of Self-Flowing Concrete, Jin Keun Kim, Sang Hun Han, Yon Dong Park and Jae Ho Noh, MT Nov. 98, p244-249.

Mechanical Properties of Low-Yield Point Steels, Eiichiro Saeki, Mitsuru Sugisawa, Tanemi Yamaguchi and Akira Wada, MT Aug. 98, p143-152.

Mechanistic Evaluation of Hedmanite and Lime Modified Asphalt Concrete Mixtures, M. Ghouse Baig and H. I. Al-Abdul Wahhab, MT Aug. 98, p153-160.

Review of Mechanical Properties of HSC at Elevated Temperature, Long T. Phan and Nicholas J. Carino, MT Feb. 98, p58-64.

Membranes
Chloride Transport in Concrete Subjected to Electric Field, Nick R. Buenfeld, Gareth K. Glass, Alaa M. Hassanein and Jian-Zhong Zhang, MT Nov. 98, p220-228.

Metals
General Creep-Time Equation, K. W. Poh, MT May 98, p118-120.

Middle East
Polymer Modification of Arab Asphalt, Ibrahim A. Al-Dubabe, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Mohammad F. Ali, MT Aug. 98, p161-167.

Mineral analysis
Analyses of Tensile Failure Properties of Asphalt-Mineral Filler Mastics, Jian-Shiuh Chen and Chun-Hsiang Peng, MT Nov. 98, p256-262.

Mixtures
Evaluation of Coke Dust-Modified Asphalt Using Superpave, Ramzi Taha, Galal Ali and Murshed Delwar, MT Aug. 98, p174-179.

Modeling Concrete Strength with Augment-Neuron Networks, I-Cheng Yeh, MT Nov. 98, p263-268.

Polymer Modification of Arab Asphalt, Ibrahim A. Al-Dubabe, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Mohammad F. Ali, MT Aug. 98, p161-167.

Modeling
Modeling Concrete Strength with Augment-Neuron Networks, I-Cheng Yeh, MT Nov. 98, p263-268.

Models
General Creep-Time Equation, K. W. Poh, MT May 98, p118-120.

Modulus of elasticity
Effect of Transition Aone on Elastic Stresses in Concrete Materials, G. Ramesh, E. D. Sotelino and W. F. Chen, MT Nov. 98, p275-282.

Monte Carlo method
Interaction Term of Tsai-Wu Theory for Laminated Veneer, Peggi Clouston, Frank Lam and J. David Barrett, MT May 98, p112-116.

Morphology
Morphological Study of Coarse Aggregates Using Image Analysis, Chun-Yi Kuo, Raymond S. Rollings and Larry N. Lynch, MT Aug. 98, p135-142.

Mortars
Effect of GGBFS Particle-Size Distribution on Mortar Compressive Strength, Folarin T. Olorunsogo and Peter J. Wainwright, MT Aug. 98, p180-187.

Municipal wastes
Municipal Solid Waste bottom Ash as Portland Cement Concrete Ingredient, Eric R. Berg and John A. Neal, MT Aug. 98, p168-173.

Neural networks
Modeling Concrete Strength with Augment-Neuron Networks, I-Cheng Yeh, MT Nov. 98, p263-268.

Nondestructive tests
Modeling of Subsurface Pulsed Radar for Nondestructive Testing of Structures, S. G. Millard, M. R. Shaw, A. Giannopoulos and M. N. Soutsos, MT Aug. 98, p188-196.

Numerical models
Modeling of Subsurface Pulsed Radar for Nondestructive Testing of Structures, S. G. Millard, M. R. Shaw, A. Giannopoulos and M. N. Soutsos, MT Aug. 98, p188-196.

Optimization
Modeling Concrete Strength with Augment-Neuron Networks, I-Cheng Yeh, MT Nov. 98, p263-268.

Particle size distribution
Effect of GGBFS Particle-Size Distribution on Mortar Compressive Strength, Folarin T. Olorunsogo and Peter J. Wainwright, MT Aug. 98, p180-187.

Pavements
Evaluation of Arabian Asphalt Bender for Low-Temperature Cracking, Rezqallah H. Ramadhan,, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Ibrahim A. Al-Dubabe, MT Feb. 98, p26-33.

Influence of Aggregate Type and Gradation on Voids of Asphalt Concrete Pavements, Waddah S. Abdullah, Mohammed Taleb Obaidat and Nazem Abu-Sa'da, MT May 98, p76-85.

Sealant Degradation During Crack Sealing of Pavements, J.-F. Masson, C. Lauzier, P. Collins and M. A. Lacasse, MT Nov. 98, p250-255.

Performance
Compatibility and Rheological Study of ASR Asphalt Binder, Utpal Dutta, MT Feb. 98, p40-44.

Durability Characteristics of Concrete Columns Wrapped with Fiber Tow Sheets, H. Toutanji and P. Balaguru, MT Feb. 98, p52-57.

Evaluation of Arabian Asphalt Bender for Low-Temperature Cracking, Rezqallah H. Ramadhan,, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Ibrahim A. Al-Dubabe, MT Feb. 98, p26-33.

Polymer Modification of Arab Asphalt, Ibrahim A. Al-Dubabe, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Mohammad F. Ali, MT Aug. 98, p161-167.

Performance evaluation
Comparison of Perception Versus Reality in Timber Bridge Performance, Robert L. Smith and Kim Stanfill-McMillan, MT Nov. 98, p238-243.

Prediction of Freezing and Thawing Durability of Concrete Paving Blocks, Nader Ghaffori and Richard Mathis, MT Feb. 98, p45-51.

Surface-Treated Slag Concrete: Assessing Performance Under Cyclic Wetting, W. J. McCarter, MT Aug. 98, p198-201.

Permeability
Influence of Aggregate Type and Gradation on Voids of Asphalt Concrete Pavements, Waddah S. Abdullah, Mohammed Taleb Obaidat and Nazem Abu-Sa'da, MT May 98, p76-85.

Permeability and Sorption Properties of Mature Near-Surface Concrete, B. J. Lampacher and G. E. Blight, MT Feb. 98, p21-25.

Plates
Strengthening of Beams by Plate Bonding, Björn Täljsten, MT Nov. 97, p206-212.

Polymers
Interface Property and Apparent Strength of High-Strength Hydrophilic Fiber in Cement Matrix, Tetsushi Kanda and Victor C. Li, MT Feb. 98, p5-13.

Polymer Modification of Arab Asphalt, Ibrahim A. Al-Dubabe, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Mohammad F. Ali, MT Aug. 98, p161-167.

Porosity
Effect of Transition Aone on Elastic Stresses in Concrete Materials, G. Ramesh, E. D. Sotelino and W. F. Chen, MT Nov. 98, p275-282.

Portland cements
Municipal Solid Waste bottom Ash as Portland Cement Concrete Ingredient, Eric R. Berg and John A. Neal, MT Aug. 98, p168-173.

Potential Challenges for Using Waste Glass in Portland Cement Concrete, Craig Polley, Steven M. Cramer and Rodolfo V. de la Cruz, MT Nov. 98, p210-219.

Pressures
Impact of Confining Pressure on Long-Term Performance of Chemical Grout in Salt Water, M. D. Haug, A. A. Al-Manaseer and A. M. Coode, MT May 98, p70-75.

Professional practice
Editorial, Victor C. Li and J. J. Beaudoin, MT Aug. 98, p127.

Protective coatings
Analyses of Tensile Failure Properties of Asphalt-Mineral Filler Mastics, Jian-Shiuh Chen and Chun-Hsiang Peng, MT Nov. 98, p256-262.

Radar
Modeling of Subsurface Pulsed Radar for Nondestructive Testing of Structures, S. G. Millard, M. R. Shaw, A. Giannopoulos and M. N. Soutsos, MT Aug. 98, p188-196.

Random variables
Interaction Term of Tsai-Wu Theory for Laminated Veneer, Peggi Clouston, Frank Lam and J. David Barrett, MT May 98, p112-116.

Real-time programming
General Creep-Time Equation, K. W. Poh, MT May 98, p118-120.

Regression analysis
Morphological Study of Coarse Aggregates Using Image Analysis, Chun-Yi Kuo, Raymond S. Rollings and Larry N. Lynch, MT Aug. 98, p135-142.

Process of In-Place Evaluation of Concrete Strength, Luh Maan Chang, Nicholas J. Carino and Cheng-Bin Wang, MT Nov. 98, p229-237.

Reinforcement
Evaluation of Coke Dust-Modified Asphalt Using Superpave, Ramzi Taha, Galal Ali and Murshed Delwar, MT Aug. 98, p174-179.

Reliability
Editorial. Will Self-Compacting High-Performance Concrete Be Used More Widely in Japan? Yasushi Nakahara, MT May 98, p65.

Repairing
Sealant Degradation During Crack Sealing of Pavements, J.-F. Masson, C. Lauzier, P. Collins and M. A. Lacasse, MT Nov. 98, p250-255.

Research
Editorial, Victor C. Li and J. J. Beaudoin, MT Aug. 98, p127.

Rheology
Evaluation of Arabian Asphalt Bender for Low-Temperature Cracking, Rezqallah H. Ramadhan,, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Ibrahim A. Al-Dubabe, MT Feb. 98, p26-33.

Salt water
Impact of Confining Pressure on Long-Term Performance of Chemical Grout in Salt Water, M. D. Haug, A. A. Al-Manaseer and A. M. Coode, MT May 98, p70-75.

Scanning electron microscopes
Use of Environmental SEM to Study Asphalt-Water Interactions, Theresa M. Williams and Francis P. Miknis, MT May 98, p121-124.

Sealants
Sealant Degradation During Crack Sealing of Pavements, J.-F. Masson, C. Lauzier, P. Collins and M. A. Lacasse, MT Nov. 98, p250-255.

Selection
Comparison of Perception Versus Reality in Timber Bridge Performance, Robert L. Smith and Kim Stanfill-McMillan, MT Nov. 98, p238-243.

Shear stress
Strengthening of Beams by Plate Bonding, Björn Täljsten, MT Nov. 97, p206-212.

Sheets
Durability Characteristics of Concrete Columns Wrapped with Fiber Tow Sheets, H. Toutanji and P. Balaguru, MT Feb. 98, p52-57.

Silica
Potential Challenges for Using Waste Glass in Portland Cement Concrete, Craig Polley, Steven M. Cramer and Rodolfo V. de la Cruz, MT Nov. 98, p210-219.

Quantity of Alkali Silica Gel and Its Effect on Concrete Properties, Jason F. Mitchell and Michael L. Leming, MT May 98, p106-111.

Slag
Effect of GGBFS Particle-Size Distribution on Mortar Compressive Strength, Folarin T. Olorunsogo and Peter J. Wainwright, MT Aug. 98, p180-187.

Sorption
Permeability and Sorption Properties of Mature Near-Surface Concrete, B. J. Lampacher and G. E. Blight, MT Feb. 98, p21-25.

Steel
General Creep-Time Equation, K. W. Poh, MT May 98, p118-120.

Influence of Service Cracking on Reinforcement Steel Corrosion, Raoul François and Ginette Arliguie, MT Feb. 98, p14-20.

Mechanical Properties of Low-Yield Point Steels, Eiichiro Saeki, Mitsuru Sugisawa, Tanemi Yamaguchi and Akira Wada, MT Aug. 98, p143-152.

Steel fibers
Flexural Behavior of Steel Fiber Reinforced Concrete, Tat-Seng Lok and Jin-Song Pei, MT May 98, p86-97.

Stones
Mechanistic Evaluation of Hedmanite and Lime Modified Asphalt Concrete Mixtures, M. Ghouse Baig and H. I. Al-Abdul Wahhab, MT Aug. 98, p153-160.

Strength
Interaction Term of Tsai-Wu Theory for Laminated Veneer, Peggi Clouston, Frank Lam and J. David Barrett, MT May 98, p112-116.

Interface Property and Apparent Strength of High-Strength Hydrophilic Fiber in Cement Matrix, Tetsushi Kanda and Victor C. Li, MT Feb. 98, p5-13.

Modeling Concrete Strength with Augment-Neuron Networks, I-Cheng Yeh, MT Nov. 98, p263-268.

Potential Challenges for Using Waste Glass in Portland Cement Concrete, Craig Polley, Steven M. Cramer and Rodolfo V. de la Cruz, MT Nov. 98, p210-219.

Stress distribution
Effect of Transition Aone on Elastic Stresses in Concrete Materials, G. Ramesh, E. D. Sotelino and W. F. Chen, MT Nov. 98, p275-282.

Structural analysis
Modeling of Subsurface Pulsed Radar for Nondestructive Testing of Structures, S. G. Millard, M. R. Shaw, A. Giannopoulos and M. N. Soutsos, MT Aug. 98, p188-196.

Structural materials
Forum. Engineered Cementitious Composites for Structural Applications, Victor C. Li and Tetsushi Kanda, MT May 98, p66-69.

Structural members
Mechanical Properties of Low-Yield Point Steels, Eiichiro Saeki, Mitsuru Sugisawa, Tanemi Yamaguchi and Akira Wada, MT Aug. 98, p143-152.

Subsurface investigations
Modeling of Subsurface Pulsed Radar for Nondestructive Testing of Structures, S. G. Millard, M. R. Shaw, A. Giannopoulos and M. N. Soutsos, MT Aug. 98, p188-196.

Temperature
General Creep-Time Equation, K. W. Poh, MT May 98, p118-120.

Temperature effects
Asphalt Concrete Damage Associated with Extreme Low Temperatures, H. M. El Hussein, K. W. Kim and J. Ponniah, MT Nov. 98, p269-274.

Evaluation of Arabian Asphalt Bender for Low-Temperature Cracking, Rezqallah H. Ramadhan,, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Ibrahim A. Al-Dubabe, MT Feb. 98, p26-33.

Review of Mechanical Properties of HSC at Elevated Temperature, Long T. Phan and Nicholas J. Carino, MT Feb. 98, p58-64.

Sealant Degradation During Crack Sealing of Pavements, J.-F. Masson, C. Lauzier, P. Collins and M. A. Lacasse, MT Nov. 98, p250-255.

Tensile strength
Analyses of Tensile Failure Properties of Asphalt-Mineral Filler Mastics, Jian-Shiuh Chen and Chun-Hsiang Peng, MT Nov. 98, p256-262.

Testing
Chloride Transport in Concrete Subjected to Electric Field, Nick R. Buenfeld, Gareth K. Glass, Alaa M. Hassanein and Jian-Zhong Zhang, MT Nov. 98, p220-228.

Evaluation of Coke Dust-Modified Asphalt Using Superpave, Ramzi Taha, Galal Ali and Murshed Delwar, MT Aug. 98, p174-179.

Large Span Structural System Using New Materials, Toshiaki Fujimori and Kenichi Sugizakai, MT Nov. 98, p203-207.

Timber construction
Comparison of Perception Versus Reality in Timber Bridge Performance, Robert L. Smith and Kim Stanfill-McMillan, MT Nov. 98, p238-243.

Trusses
Large Span Structural System Using New Materials, Toshiaki Fujimori and Kenichi Sugizakai, MT Nov. 98, p203-207.

Veneers
Interaction Term of Tsai-Wu Theory for Laminated Veneer, Peggi Clouston, Frank Lam and J. David Barrett, MT May 98, p112-116.

Vibration control
Mechanical Properties of Low-Yield Point Steels, Eiichiro Saeki, Mitsuru Sugisawa, Tanemi Yamaguchi and Akira Wada, MT Aug. 98, p143-152.

Viscosity
Compatibility and Rheological Study of ASR Asphalt Binder, Utpal Dutta, MT Feb. 98, p40-44.

Voids
Influence of Aggregate Type and Gradation on Voids of Asphalt Concrete Pavements, Waddah S. Abdullah, Mohammed Taleb Obaidat and Nazem Abu-Sa'da, MT May 98, p76-85.

Waste utilization
Compatibility and Rheological Study of ASR Asphalt Binder, Utpal Dutta, MT Feb. 98, p40-44.

Municipal Solid Waste bottom Ash as Portland Cement Concrete Ingredient, Eric R. Berg and John A. Neal, MT Aug. 98, p168-173.

Water infiltration
Use of Environmental SEM to Study Asphalt-Water Interactions, Theresa M. Williams and Francis P. Miknis, MT May 98, p121-124.

Width
Influence of Service Cracking on Reinforcement Steel Corrosion, Raoul François and Ginette Arliguie, MT Feb. 98, p14-20.

AUTHOR INDEX

Abdullah, Waddah S.
Influence of Aggregate Type and Gradation on Voids of Asphalt Concrete Pavements, with Mohammed Taleb Obaidat and Nazem Abu-Sa'da, MT May 98, p76-85

Abu-Sa'da, Nazem
see Abdullah, Waddah S., MT May 98, p76-85

Al-Dubabe, Ibrahim A.
Polymer Modification of Arab Asphalt, with Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Mohammad F. Ali, MT Aug. 98, p161-167
see Ramadhan,, Rezqallah H., MT Feb. 98, p26-33

Ali, Galal
see Taha, Ramzi, MT Aug. 98, p174-179

Ali, Mohammad F.
see Al-Dubabe, Ibrahim A., MT Aug. 98, p161-167

Al-Manaseer, A. A.
see Haug, M. D., MT May 98, p70-75

Arliguie, Ginette
see François, Raoul, MT Feb. 98, p14-20

Asi, Ibrahim M.
see Al-Dubabe, Ibrahim A., MT Aug. 98, p161-167
see Ramadhan,, Rezqallah H., MT Feb. 98, p26-33

Baig, M. Ghouse
Mechanistic Evaluation of Hedmanite and Lime Modified Asphalt Concrete Mixtures, with H. I. Al-Abdul Wahhab, MT Aug. 98, p153-160

Balaguru, P.
see Toutanji, H., MT Feb. 98, p52-57

Banu, Dorina
Energy-Storing Wallboard: Flammability Tests, with Dorel Feldman, Fairborz Haghighat, Jean Paris and Douglas. Hawes, MT May 98, p98-105

Barrett, J. David
see Clouston, Peggi, MT May 98, p112-116

Beaudoin, J.
see Li, Victor C., MT Feb. 98, p1

Beaudoin, J. J.
see Li, Victor C., MT Aug 98, p127

Berg, Eric R.
Municipal Solid Waste bottom Ash as Portland Cement Concrete Ingredient, with John A. Neal, MT Aug. 98, p168-173

Blight, G. E.
see Lampacher, B. J., MT Feb. 98, p21-25

Buenfeld, Nick R.
Chloride Transport in Concrete Subjected to Electric Field, with Gareth K. Glass, Alaa M. Hassanein and Jian-Zhong Zhang, MT Nov. 98, p220-228

Carino, Nicholas J.
see Chang, Luh Maan, MT Nov. 98, p229-237
see Phan, Long T., MT Feb. 98, p58-64

Chang, Luh Maan
Process of In-Place Evaluation of Concrete Strength, with Nicholas J. Carino and Cheng-Bin Wang, MT Nov. 98, p229-237

Chen, Jian-Shiuh
Analyses of Tensile Failure Properties of Asphalt-Mineral Filler Mastics, with Chun-Hsiang Peng, MT Nov. 98, p256-262

Chen, W. F.
see Ramesh, G., MT Nov. 98, p275-282

Clouston, Peggi
Interaction Term of Tsai-Wu Theory for Laminated Veneer, with Frank Lam and J. David Barrett, MT May 98, p112-116

Collins, P.
see Masson, J.-F., MT Nov. 98, p250-255

Coode, A. M.
see Haug, M. D., MT May 98, p70-75

Cook, Neville G. W.
see Nemati, Kamran M., MT Aug. 98, p128-134

Cramer, Steven M.
see Polley, Craig, MT Nov. 98, p210-219

de la Cruz, Rodolfo V.
see Polley, Craig, MT Nov. 98, p210-219

Delwar, Murshed
see Taha, Ramzi, MT Aug. 98, p174-179

Dutta, Utpal
Compatibility and Rheological Study of ASR Asphalt Binder, MT Feb. 98, p40-44

El Hussein, H. M.
Asphalt Concrete Damage Associated with Extreme Low Temperatures, with K. W. Kim and J. Ponniah, MT Nov. 98, p269-274

Feldman, Dorel
see Banu, Dorina, MT May 98, p98-105

François, Raoul
Influence of Service Cracking on Reinforcement Steel Corrosion, with Ginette Arliguie, MT Feb. 98, p14-20

Fujimori, Toshiaki
Large Span Structural System Using New Materials, with Kenichi Sugizakai, MT Nov. 98, p203-207

Ghaffori, Nader
Prediction of Freezing and Thawing Durability of Concrete Paving Blocks, with Richard Mathis, MT Feb. 98, p45-51

Giannopoulos, A.
see Millard, S. G., MT Aug. 98, p188-196

Glass, Gareth K.
see Buenfeld, Nick R., MT Nov. 98, p220-228

Haghighat, Fairborz
see Banu, Dorina, MT May 98, p98-105

Han, Sang Hun
see Kim, Jin Keun, MT Nov. 98, p244-249

Hassanein, Alaa M.
see Buenfeld, Nick R., MT Nov. 98, p220-228

Haug, M. D.
Impact of Confining Pressure on Long-Term Performance of Chemical Grout in Salt Water, with A. A. Al-Manaseer and A. M. Coode, MT May 98, p70-75

Hawes, Douglas.
see Banu, Dorina, MT May 98, p98-105

Kanda, Tetsushi
Interface Property and Apparent Strength of High-Strength Hydrophilic Fiber in Cement Matrix, with Victor C. Li, MT Feb. 98, p5-13
see Li, Victor C., MT May 98, p66-69

Kim, Jin Keun
Material Properties of Self-Flowing Concrete, with Sang Hun Han, Yon Dong Park and Jae Ho Noh, MT Nov. 98, p244-249

Kim, K. W.
see El Hussein, H. M., MT Nov. 98, p269-274

Kuo, Chun-Yi
Morphological Study of Coarse Aggregates Using Image Analysis, with Raymond S. Rollings and Larry N. Lynch, MT Aug. 98, p135-142

Lacasse, M. A.
see Masson, J.-F., MT Nov. 98, p250-255

Lam, Frank
see Clouston, Peggi, MT May 98, p112-116

Lampacher, B. J.
Permeability and Sorption Properties of Mature Near-Surface Concrete, with G. E. Blight, MT Feb. 98, p21-25

Lauzier, C.
see Masson, J.-F., MT Nov. 98, p250-255

Leming, Michael L.
see Mitchell, Jason F., MT May 98, p106-111

Li, Victor C.
Editorial, with J. Beaudoin, MT Feb. 98, p1
Editorial, with J. J. Beaudoin, MT Aug. 98, p127
Forum. Engineered Cementitious Composites for Structural Applications, with Tetsushi Kanda, MT May 98, p66-69
see Kanda, Tetsushi, MT Feb. 98, p5-13

Li, Zongjin
Innovations Forum: Application of Extrusion for Manufacture of Short Fiber Reinforced Cementitous Composites, with Bin Mu, MT Feb. 98, p2-4

Liou, Donald D.
Effects of Construction Joint in Mass Flowable Concrete, MT Feb. 98, p34-39

Lok, Tat-Seng
Flexural Behavior of Steel Fiber Reinforced Concrete, with Jin-Song Pei, MT May 98, p86-97

Lynch, Larry N.
see Kuo, Chun-Yi, MT Aug. 98, p135-142

Masson, J.-F.
Sealant Degradation During Crack Sealing of Pavements, with C. Lauzier, P. Collins and M. A. Lacasse, MT Nov. 98, p250-255

Mathis, Richard
see Ghaffori, Nader, MT Feb. 98, p45-51

McCarter, W. J.
Surface-Treated Slag Concrete: Assessing Performance Under Cyclic Wetting, MT Aug. 98, p198-201

Miknis, Francis P.
see Williams, Theresa M., MT May 98, p121-124

Millard, S. G.
Modeling of Subsurface Pulsed Radar for Nondestructive Testing of Structures, with M. R. Shaw, A. Giannopoulos and M. N. Soutsos, MT Aug. 98, p188-196

Mitchell, Jason F.
Quantity of Alkali Silica Gel and Its Effect on Concrete Properties, with Michael L. Leming, MT May 98, p106-111

Monteiro, Paulo J. M.
see Nemati, Kamran M., MT Aug. 98, p128-134

Mu, Bin
see Li, Zongjin, MT Feb. 98, p2-4

Nakahara, Yasushi
Editorial. Will Self-Compacting High-Performance Concrete Be Used More Widely in Japan?, MT May 98, p65

Neal, John A.
see Berg, Eric R., MT Aug. 98, p168-173

Nemati, Kamran M.
A New Method for Studying Stress-Induced Microcracks in Concrete, with Paulo J. M. Monteiro and Neville G. W. Cook, MT Aug. 98, p128-134

Noh, Jae Ho
see Kim, Jin Keun, MT Nov. 98, p244-249

Obaidat, Mohammed Taleb
see Abdullah, Waddah S., MT May 98, p76-85

Olorunsogo, Folarin T.
Effect of GGBFS Particle-Size Distribution on Mortar Compressive Strength, with Peter J. Wainwright, MT Aug. 98, p180-187

Paris, Jean
see Banu, Dorina, MT May 98, p98-105

Park, Yon Dong
see Kim, Jin Keun, MT Nov. 98, p244-249

Pei, Jin-Song
see Lok, Tat-Seng, MT May 98, p86-97

Peng, Chun-Hsiang
see Chen, Jian-Shiuh, MT Nov. 98, p256-262

Phan, Long T.
Review of Mechanical Properties of HSC at Elevated Temperature, with Nicholas J. Carino, MT Feb. 98, p58-64

Poh, K. W.
General Creep-Time Equation, MT May 98, p118-120

Polley, Craig
Potential Challenges for Using Waste Glass in Portland Cement Concrete, with Steven M. Cramer and Rodolfo V. de la Cruz, MT Nov. 98, p210-219

Ponniah, J.
see El Hussein, H. M., MT Nov. 98, p269-274

Ramadhan,, Rezqallah H.
Evaluation of Arabian Asphalt Bender for Low-Temperature Cracking, with Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Ibrahim A. Al-Dubabe, MT Feb. 98, p26-33

Ramesh, G.
Effect of Transition Aone on Elastic Stresses in Concrete Materials, with E. D. Sotelino and W. F. Chen, MT Nov. 98, p275-282

Reinhardt, Hans W.
Self-Cured High Performance Concrete, with Silvia Weber, MT Nov. 98, p208-209

Rollings, Raymond S.
see Kuo, Chun-Yi, MT Aug. 98, p135-142

Saeki, Eiichiro
Mechanical Properties of Low-Yield Point Steels, with Mitsuru Sugisawa, Tanemi Yamaguchi and Akira Wada, MT Aug. 98, p143-152

Shaw, M. R.
see Millard, S. G., MT Aug. 98, p188-196

Smith, Robert L.
Comparison of Perception Versus Reality in Timber Bridge Performance, with Kim Stanfill-McMillan, MT Nov. 98, p238-243

Sotelino, E. D.
see Ramesh, G., MT Nov. 98, p275-282

Soutsos, M. N.
see Millard, S. G., MT Aug. 98, p188-196

Stanfill-McMillan, Kim
see Smith, Robert L., MT Nov. 98, p238-243

Sugisawa, Mitsuru
see Saeki, Eiichiro, MT Aug. 98, p143-152

Sugizakai, Kenichi
see Fujimori, Toshiaki, MT Nov. 98, p203-207

Taha, Ramzi
Evaluation of Coke Dust-Modified Asphalt Using Superpave, with Galal Ali and Murshed Delwar, MT Aug. 98, p174-179

Täljsten, Björn
Strengthening of Beams by Plate Bonding, MT Nov. 97, p206-212
err: MT May 98, p125

Toutanji, H.
Durability Characteristics of Concrete Columns Wrapped with Fiber Tow Sheets, with P. Balaguru, MT Feb. 98, p52-57

Wada, Akira
see Saeki, Eiichiro, MT Aug. 98, p143-152

Wahhab, H. I. Al-Abdul
see Baig, M. Ghouse, MT Aug. 98, p153-160

Wahhab, Hamad I. Al-Abdul
see Al-Dubabe, Ibrahim A., MT Aug. 98, p161-167
see Ramadhan,, Rezqallah H., MT Feb. 98, p26-33

Wainwright, Peter J.
see Olorunsogo, Folarin T., MT Aug. 98, p180-187

Wang, Cheng-Bin
see Chang, Luh Maan, MT Nov. 98, p229-237

Weber, Silvia
see Reinhardt, Hans W., MT Nov. 98, p208-209

Williams, Theresa M.
Use of Environmental SEM to Study Asphalt-Water Interactions, with Francis P. Miknis, MT May 98, p121-124

Yamaguchi, Tanemi
see Saeki, Eiichiro, MT Aug. 98, p143-152

Yeh, I-Cheng
Modeling Concrete Strength with Augment-Neuron Networks, MT Nov. 98, p263-268

Zhang, Jian-Zhong
see Buenfeld, Nick R., MT Nov. 98, p220-228